

Umanath Poojary

List of Publications by Year in descending order

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papers

119
citations

1306789

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11
docs citations

11
times ranked

125
citing authors

#	ARTICLE	IF	CITATIONS
1	Developing the viscoelastic model and model-based fuzzy controller for the MRE isolator for the wide frequency range vibration isolation. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2022, 44, .	0.8	1
2	Material modeling of frequency, magnetic field and strain dependent response of magnetorheological elastomer. Journal of Materials Science, 2021, 56, 15752-15766.	1.7	4
3	Dynamic response of a MRE sandwich structure under a non-homogenous magnetic field. Journal of the Korean Physical Society, 2021, 79, 864.	0.3	1
4	A novel approach to characterize the magnetic field and frequency dependent dynamic properties of magnetorheological elastomer for torsional loading conditions. Journal of Magnetism and Magnetic Materials, 2020, 498, 166169.	1.0	11
5	Integer and Fractional Order-Based Viscoelastic Constitutive Modeling to Predict the Frequency and Magnetic Field-Induced Properties of Magnetorheological Elastomer. Journal of Vibration and Acoustics, Transactions of the ASME, 2018, 140, .	1.0	19
6	Experimental investigation on the effect of carbon nanotube additive on the field-induced viscoelastic properties of magnetorheological elastomer. Journal of Materials Science, 2018, 53, 4229-4241.	1.7	30
7	Dynamic deformationâ€“dependent magnetic fieldâ€“induced force transmissibility characteristics of magnetorheological elastomer. Journal of Intelligent Material Systems and Structures, 2017, 28, 1491-1500.	1.4	10
8	Magnetic field and frequency dependent LVE limit characterization of magnetorheological elastomer. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 1365-1373.	0.8	9
9	Dynamic blocked transfer stiffness method of characterizing the magnetic field and frequency dependent dynamic viscoelastic properties of MRE. Korea Australia Rheology Journal, 2016, 28, 301-313.	0.7	19
10	Experimental investigation on the effect of magnetic field on strain dependent dynamic stiffness of magnetorheological elastomer. Rheologica Acta, 2016, 55, 993-1001.	1.1	12
11	Fractional-order viscoelastic modeling of the magnetic field dependent transmissibility response of MRE isolator. Journal of Intelligent Material Systems and Structures, 0, , 1045389X2210871.	1.4	3